1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\*

'hello'

-87.8

-

/

6

2. What is the difference between string and variable?

Ans: A string is a data(information). That we can store in the variable.

3. Describe three different data types.

Ans: Float, integer, string.

4. What is an expression made up of? What do all expressions do?

Ans:

Made up of:- Operation, functions

Do: it give a value.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

Ans:

Expression can produce a value, where statement cannot producing value.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

Ans: 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'= ‘spamspamspam’

'spam' \* 3 = ‘spamspamspam’

8. Why is eggs a valid variable name while 100 is invalid?

Ans: Because variable name cannot starting with numbers.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Ans:

For integer = int(), floating-point number = float(), string = str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

Ans: 'I have eaten ' + str(99) + ' burritos.'